

Abstract:

Device for Producing a Gas-Liquid Mixture in the Region of
Cutting Tools

5

In a device for producing a gas-liquid mixture and, in particular, air-water mixture in the region of cutting tools, particularly chisels, arranged on at least one cutter head (10) rotationally mounted on a cutter arm (5) of a cutting machine (1), including at least one nozzle pair, comprised of a nozzle (14) for ejecting a gas jet and a nozzle (13) for ejecting a liquid jet, wherein the axes (17, 18) of the nozzles (13, 14) of a nozzle pair are oriented in a manner that the jets impinge on each other at a distance from the outlet openings of the nozzles, the axes (17, 18) of the nozzles (13, 14) of a nozzle pair form an angle with each other of between 45 and 135°, preferably between 75 and 85°.

(Fig. 3)